

MANUFACTURE OF LIGHT CONDUCTION PLATE WITH PRISM SHAPE

Publication number: JP11147255 (A)

Publication date: 1999-06-02

Inventor(s): HONDA MICHIHARU; UEKIHARA NOBUYUKI; IZUNO CHIZUO; KISHIMOTO NAOMI

Applicant(s): MATSUSHITA ELECTRIC IND CO LTD

Classification:

- international: G02B6/00; B29C43/22; B29C59/04; G02B5/04; G02F1/1335; G02F1/13357; G09F9/00; B29K101/12; B29L11/00; G02B6/00; B29C43/22; B29C59/04; G02B5/04; G02F1/13; G09F9/00; (IPC1-7): B29C59/04; G02B5/04; G02B6/00; G02F1/1335; G09F9/00; B29K101/12; B29L11/00

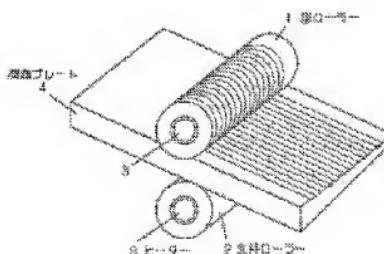
- European: B29C43/22B; G02B6/00L604G; G02B6/00L6P

Application number: JP19970317936 19971119

Priority number(s): JP19970317936 19971119

Abstract of JP 11147255 (A)

PROBLEM TO BE SOLVED: To form a fine highly precise prism shape with low pressure small sized equipment by a method wherein a thermoplastic resin plate member is pinched between a pattern roller having a heater built-in and a support roller, pressurized, and a fine shape engraved on an outer peripheral surface of the pattern roller is formed by transferring onto a surface of the resin plate member. SOLUTION: A prism shape is engraved on a surface of a pattern roller 1, and a support roller 2 and the pattern roller 1 are made to contain a heater 3. A thermoplastic resin plate 4 made an individual piece is made the individual piece by specific dimensions by high speed cutting with, for example, a rotary edge tool from the resin plate manufactured in a large plate. The pattern roller 1 and the support roller 2 respectively have a cylindrical space part capable of holding a cylinder type electric heater 3 in an inner peripheral part, are installed at bearing both ends, and a V pulley is installed to the end part. Then, the thermoplastic resin plate member 4 is pinched between the pattern roller 1 and the support roller 2, pressurized, and a fine shape engraved on the outer peripheral surface of the pattern roller 1 is formed by transferring onto a surface of the resin plate member 4.



.....

Data supplied from the **esp@cenet** database — Worldwide